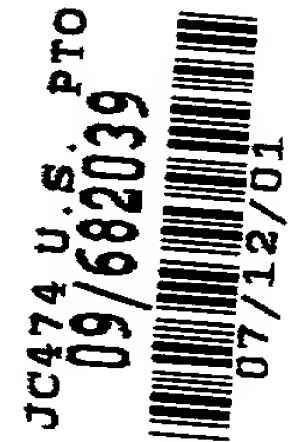


Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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EFS ID: 11866  
Application ID: 09682039  
Title of Invention: METHOD OF MODELING  
PRODUCT DEMAND SUBJECT TO A  
LARGE NUMBER OF  
INTERACTIONS  
First Named Inventor: Brendan Kitts  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2001-07-12  
Submission Type: Utility Patent Filing  
Filing Type: null  
Confirmation Number: 0  
Attorney Docket Number: VIGN1130  
Digital Certificate Holder: cn=George Meyer, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: aN+tK2uyXdJjcqEY29xzqA==  
Total Fees Authorized: \$750.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 500456  
Deposit Account Name: George R. Meyer



# TRANSMITTAL FORM



Electronic Version 1.0.2

Stylesheet Version: 1.0

Attorney Docket Number: VIGN1130

## METHOD OF MODELING PRODUCT DEMAND SUBJECT TO A LARGE NUMBER OF INTERACTIONS

First Named Inventor: Brendan J. Kitts

### SUBMITTED BY

Name: George R. Meyer

Registration Number: 35284

Electronic Signature Mark: GrM35284  
Date Signed: 20010712

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

specification	VIGN1130.xml
declaration	Dec1.tif
declaration	Dec2.tif
bibd-transmittal	ViGn1130apds.xml

patent-assignment  
fee-transmittal

ViGn1130asgn.xml  
ViGn1130fee.xml

**Attached Image File(s):**

Dec1.tif

Dec2.tif

09/23/2014 10:42:42 AM



Page 3 of 5

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+

PTO

<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>	Attorney Docket No.	VIGN1130
	First Named Inventor	BRENDAN J. KITTS
	COMPLETE IF KNOWN	
	Application Number	
	Filing Date	
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD OF MODELING PRODUCT DEMAND SUBJECT TO A  
LARGE NUMBER OF INTERACTIONS**

(Title of Invention)

the specification of which was filed on (MM/DD/YYYY)

as United States Application Number of PCT International Application Number

and was amended on (MM/DD/YYYY) (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment specifically referred to above.

I hereby state I do not know and do not believe that said invention, design or discovery was ever known or used in the United States of America before my invention or discovery thereof, or patented or described in any printed publication in any country before my invention or discovery thereof, or more than one year prior to this application, or in public use or on sale in the United States of America more than one year prior to this application; that said invention, design or discovery has not been patented or made the subject of an inventor's certificate issued prior to the filing of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns; and I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me which is material to the patentability of the invention defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or of any PCT international application which designated at least one country other than the United States of America, listed below and have identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached YES	NO

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

Application Number(s)	Filing Date (MM/DD/YYYY)	
		<input type="checkbox"/> Additional provisional application numbers are listed on supplemental priority data sheet PTO/SB/02B attached hereto:

**DECLARATION -- Utility or Design Patent Application**

I hereby claim the benefit under 35 U.S.C. 120 of any United States Application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (If applicable)

As a named inventor, I hereby appoint the following registered practitioner(s) assigned to **Customer No. 250** prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any issued thereon.

Name of Sole or First Inventor:

Given Name (first and middle [if any])

Family Name or Surname

**BRENDAN J.**

**KITTS**

Inventor's Signature

Date

Residence City

**Cambridge**

State

**MA**

Country

**United States**

Citizenship

**Australia**

Residence Address

**6 McLean Place, Apt. 8  
Cambridge, MA 02140  
United States**

Post Office Address

**same**

Name of Additional Inventor:

Given Name (first and middle [if any])

Family Name or Surname

Inventor's Signature

Date

Residence City

State

County

Citizenship

Post Office Address

Post Office Address

City

State

Zip

Country

Direct all correspondence to Customer No. 25094:

Name

**George R. Meyer**

**Gray Cary Ware & Freidenrich LLP**

Address

**1221 So. MoPac Expressway, Suite 400**

City

**Austin**

State

**TX**

Zip

**78746**

Country

**U.S.A.**

Telephone

**(512) 457-7093**

Fax

**(512) 457-7001**

# FEE TRANSMITTAL

Electronic Version 1.0.4

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 750**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 50-0456  
Deposit Account Name: Gray Cary Ware & Freidenrich, LLP



Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

**SUBMITTED BY**

Authorized Name: George R. Meyer  
Electronic Signature Mark: GrM35284  
Date Signed: 20010712

**BASIC FILING FEE**

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 710

Subtotal For Basic Filing Fee: \$ 710

**EXTRA CLAIM FEES**

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 18	103	\$ 18	0	\$ 0
Independent Claims: 2	102	\$ 80	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

[illegible]Subtotal For Additional Fees: \$ 40